


# Contents at a Glance

---

Acknowledgments . . . . .	vii
Introduction . . . . .	xvii
Quick Tour . . . . .	1
<b>Part I: Using Your Canon PowerShot Camera . . . . .</b>	<b>11</b>
Chapter 1: Exploring the PowerShot Cameras . . . . .	13
Chapter 2: Navigating Your PowerShot Camera . . . . .	59
Chapter 3: Getting the Most Out of Your PowerShot Camera . . . . .	83
<b>Part II: Creating Great Images with Your Canon PowerShot. . . .</b>	<b>107</b>
Chapter 4: The Fundamentals of Photography . . . . .	109
Chapter 5: Accessories . . . . .	125
Chapter 6: Capturing Great Images . . . . .	137
Chapter 7: Downloading, Editing, and Outputting . . . . .	215
Chapter 8: Using the Video Feature. . . . .	235
<b>Part III: Appendixes . . . . .</b>	<b>245</b>
Appendix A: Online Resources. . . . .	247
Glossary . . . . .	251
Index. . . . .	259



# Contents

Acknowledgments	vii	Reviewing Images	6
		Deleting Images	6
<b>Introduction</b>	<b>xvii</b>	Output	7
Who is this Book for?	xvii	From camera to computer	7
Making this Book Work for You	xvii	Using a card reader	8
		Directly from the camera	8
<b>Quick Tour</b>	<b>1</b>		
		<b>Part I: Using Your Canon PowerShot Camera</b>	<b>11</b>
			
Getting Your Camera Ready	1	<b>Chapter 1: Exploring the PowerShot Cameras</b>	<b>13</b>
Setting the time and date	2	About the Technology	13
Formatting the memory card	3	4-Way Controller	15
Selecting a Shooting Mode	4	Standard Features	17
Selecting a Scene Mode	4	A Series	18
Taking the Picture	5	A430 and A460	18
		A530 and A540	20
		A550	22
		A560	24
		A570 IS	26
		A630 and A640	29
		A700 and A710 IS	31

SD Series	33
SD40	33
SD430	35
SD600 and SD630	37
SD700 IS	40
SD750 and SD1000	41
SD800 IS	44
SD850 IS	45
SD900	47
G7	49
S5 IS	52
TX1	55

## Chapter 2: Navigating Your PowerShot Camera 59



Main Menu Categories	59
Record Menu	61
AiAF	61
AF Frame	61
Flash Sync	61
Slow Synchro	62
Flash Adjust	62
Red-Eye	62
Safety FE	63
Safety Shift	63
Light Metering/Metering Mode	63
Spot AE Point	63
MF-Point Zoom	63
Safety MF	64
Self-Timer	64
Auto ISO Shift	64
AF Mode	64
AF-assist Beam	64

Digital Zoom	65
Review	65
Save Original	66
Reverse Display	66
Auto Category	66
Grid Lines	66
Display Overlay	67
IS mode	67
Converter	67
Custom display settings	68
Date Stamp	68
Vertical Shutter	69
Long Shutter	69
Set Print/Share button	69
Set Shortcut button	69
Stitch Assist	69
Save Settings	70
Setup Menu	70
Mute	70
Volume	70
Audio	70
Info Display	70
Touch Icons	70
Start-up Image	71
LCD Brightness	71
Power Saving	71
Time Zone	71
Date/Time	71
Clock Display	71
Format	72
File Numbering	72
Create Folder	73
Auto Rotate	73
Distance Units	73
Lens Retract	73
Language	74
Video System	74
Print Method	74
Reset All	74
Play Menu	74
Transition	74
AutoPlay	75
Slide Show	75

My Category	75
Red-Eye Correction	76
My Colors	76
Sound Memo	76
Sound Recorder	77
Erase	77
Protect	78
Rotate	78
Erase All	78
Transfer Order	78
Set Play Button	78
Set Movie Button	79
Print Menu	79
My Camera Menu	80

## Chapter 3: Getting the Most Out of Your PowerShot Camera 83

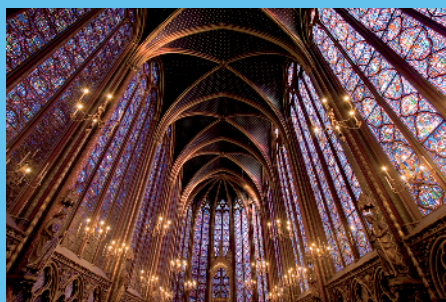


Auto Exposure Lock	83
Flash Exposure Lock	84
Auto Focus Lock	85
Function Menu	85
Shooting Modes	86
Auto mode	86
Manual mode	86
Exposure Compensation	87
Auto Exposure Bracketing	87
Long Shutter mode	87
+/- (Flash)/Flash Output	88
ISO speed	89
White balance	90
Drive mode	92
My Colors	93

Metering mode	94
Compression	95
Recording Pixels	97
Focus-BKT	98
ND Filter	98
Movie Mode Function	
Menu	98
Stitch Assist	99
Preset modes	99
Creative Zone	100
P	100
Tv	101
Av	101
M	102
Histogram	103
Memory cards	103

## Part II: Creating Great Images with Your Canon PowerShot 107

### Chapter 4: The Fundamentals of Photography 109



Keep It Simple	109
Telling the story	110
Filling the frame	111
Composition Basics	111
The rules	111
Breaking the rules	114
Make It Sharp	115

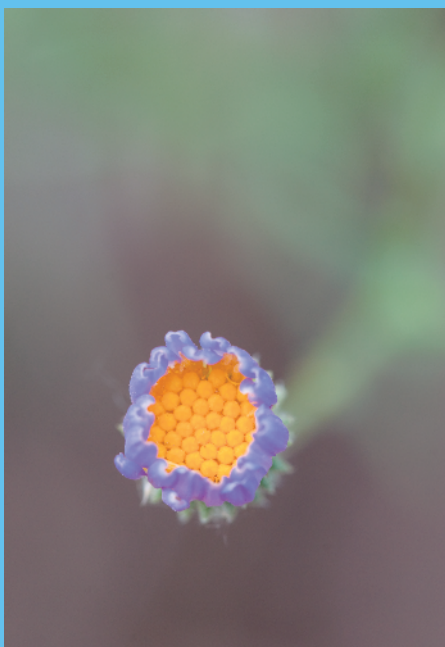
Understanding Light	118
Color	118
Quality	118
Direction	119
Understanding Exposure	119
Controlling exposure	119
Controlling light in the lens: Aperture	120
Controlling light in the shutter: Shutter speed	120
Controlling light in the image sensor: ISO	121
The exposure equation	121
When to shoot	121

## Chapter 5: Accessories 125



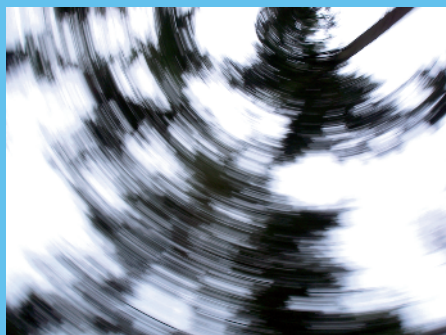
Tripods	125
Lighting	127
Lenses	129
Underwater Gear	130
Batteries, Chargers, and	
AC Adaptors	131
Chargers	133
AC adaptors	133
Cases	133
Camera Care	134

## Chapter 6: Capturing Great Images 137



Abstract Photography	137
Inspiration	138
Abstract photography practice	139
Abstract photography tips	141
Action and Sports Photography	141
Inspiration	142
Action and sports photography practice	143
Action and sports photography tips	145
Animal and Wildlife Photography	145
Inspiration	146
Animal and wildlife photography practice	147
Animal and wildlife photography tips	148
Architectural Photography	149
Inspiration	149
Architectural photography practice	151
Architectural photography tips	152

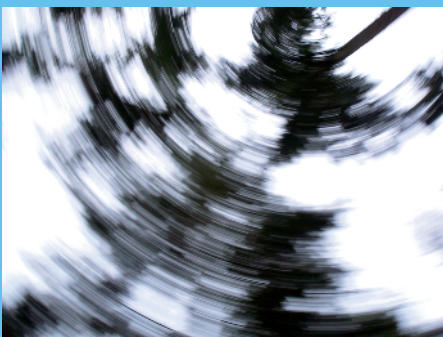
Child Photography	153	Pet Photography	190
Inspiration	154	Inspiration	191
Child photography practice	155	Pet photography practice	192
Child photography tips	157	Pet photography tips	193
Fireworks Photography	157	Product and Auction	
Inspiration	158	Photography	194
Fireworks photography practice	159	Inspiration	195
Fireworks photography tips	160	Product and auction photography practice	195
Flower Photography	161	Product and auction photography tips	197
Inspiration	162	Street Photography	198
Flower photography practice	163	Inspiration	199
Flower photography tips	164	Street photography practice	200
Landscape and Nature		Street photography tips	202
Photography	165	Sunset and Sunrise Photography	202
Inspiration	166	Inspiration	202
Landscape and nature photography practice	167	Sunset and sunrise photography practice	204
Landscape and nature photography tips	169	Sunset and sunrise photography tips	205
Macro Photography	170	Travel Photography	206
Inspiration	171	Inspiration	206
Macro photography practice	172	Travel photography practice	208
Macro photography tips	173	Travel photography tips	210
Motion Photography	174	Winter Photography	211
Inspiration	175	Inspiration	211
Motion photography practice	176	Winter photography practice	213
Motion photography tips	177	Winter photography tips	214
Night Photography	178		
Inspiration	179	<b>Chapter 7: Downloading, Editing, and Outputting</b>	<b>215</b>
Night photography practice	180		
Night photography tips	181		
Panoramic Photography	182		
Inspiration	182		
Panoramic photography practice	183		
Panoramic photography tips	185		
People Photography	186		
Groups	186		
Individuals	186		
Inspiration	187		
People photography practice	188		
People photography tips	190		





Downloading	215
Downloading from the camera	215
Downloading from a card reader	218
In-Camera Editing	219
Deleting	219
Protecting images	220
Batch erase using protection	220
Rotating images	221
Adding audio comments	221
Adjusting color	222
Image Editing via Software	223
Image management	223
Rate	224
Filter	226
Keywords	227
Image adjustment	227
Resizing images for e-mail	229
Printing	230
Printing from the camera	230
Printing from the computer	232
Television Slide Shows	233

## Chapter 8: Using the Video Feature 235

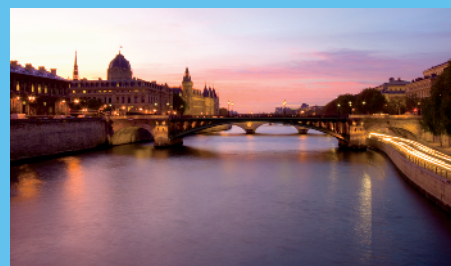


Setting Up to Record	235
Resolution	235
Frame rate	236
White balance	237
Exposure	237
Focus	237
Recording the video	237

Knowing the Limitations	238
Frame rate versus resolution	238
Recording length	239
Storage	239
Sound	240
When the Shooting Stops	240
In-camera editing	240
Editing on the computer	241
Video Tips	242

## Part III: Appendixes 245

### Appendix A: Online Resources 247



### Glossary 251



### Index 259